

ABSTRACT OF THE DISCLOSURE

- A tangential blower for use in a gas discharge laser is provided provides improved homogeneity of laser gas flow through the discharge
- 5 region of the laser. A flange which supports adjacent blower sections has an aerodynamic shape and occupies a minimal portion of the space in the inlet region of the blowers. The ends of the blower's shafts may be formed as a twice-profiled polygon which is has a non-uniform and preferably rounded geometry along its longitudinal axis where it fits into end flanges.
- 10 The blades of the blower may be formed with varying thickness and radii of curvature. The blower's blades and hubs may be cast as a single piece of steel, titanium alloy, or other suitable material.

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